

10/769759

Refine Search

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Search Results -

Terms	Documents
L16 and (poi\$ same supp\$)	1

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
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 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L17

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Recall Text

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Interrupt

Search History

DATE: Friday, October 21, 2005 [Printable Copy](#) [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L17</u>	L16 and (poi\$ same supp\$)	1	<u>L17</u>
<u>L16</u>	5802492.pn.	1	<u>L16</u>
<u>L15</u>	L12 and cat\$	0	<u>L15</u>
<u>L14</u>	L12 and (poi\$ same supp\$)	1	<u>L14</u>
<u>L13</u>	L12 and (poi\$ same sup\$)	1	<u>L13</u>
<u>L12</u>	6321158.PN.	1	<u>L12</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L11</u>	110 and suppl\$	3	<u>L11</u>
<u>L10</u>	L7 and (sign\$ and exit\$)	10	<u>L10</u>
<u>L9</u>	L7 and (sign\$ same exit\$)	0	<u>L9</u>

<u>L8</u>	L7 and (sign\$ with exit\$)	0	<u>L8</u>
<u>L7</u>	L6 or l5	55	<u>L7</u>
<u>L6</u>	L2 and @pd<=20030204	27	<u>L6</u>
<u>L5</u>	L2 and @ad<=20030204	54	<u>L5</u>
<u>L4</u>	L2 and @ad<=02042003	0	<u>L4</u>
<u>L3</u>	L2 and @ad<=10192005	0	<u>L3</u>
<u>L2</u>	L1 and (search\$ with poi\$)	131	<u>L2</u>
<u>L1</u>	navigat\$ and map\$ and poi	529	<u>L1</u>

END OF SEARCH HISTORY

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L16: Entry 1 of 1

File: USPT

Sep 1, 1998

US-PAT-NO: 5802492

DOCUMENT-IDENTIFIER: US 5802492 A

TITLE: Computer aided routing and positioning system

DATE-ISSUED: September 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
DeLorme; David M.	Yarmouth	ME		
Gray; Keith A.	Dresden	ME		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
DeLorme Publishing Company, Inc.	Yarmouth	ME			02

APPL-NO: 08/661600 [PALM]

DATE FILED: June 11, 1996

PARENT-CASE:

CROSS REFERENCE TO RELATED PATENT APPLICATION This patent application is a continuation-in-part (CIP) of the David M. DeLorme et al U.S. patent application Ser. No. 08/381,214 filed Jan. 31, 1995, now U.S. Pat. No. 5,559,707 for COMPUTER AIDED ROUTING SYSTEM which is a CIP of the David M. DeLorme et al U.S. patent application Ser. No. 08/265,327 filed Jun. 24, 1994, now abandoned for COMPUTER AIDED MAP LOCATION SYSTEM and the contents of these related patent applications are incorporated herein by reference.

INT-CL: [06] G01 C 21/00, G08 G 1/123

US-CL-ISSUED: 701/200; 701/201, 701/208, 701/211, 701/213, 340/990, 340/995

US-CL-CURRENT: 455/456.5; 340/990, 340/995.23, 340/995.24, 701/201, 701/208, 701/211, 701/213

FIELD-OF-SEARCH: 364/443, 364/444.1, 364/444.2, 364/449.2, 364/449.3, 364/449.4, 364/449.5, 364/449.6, 364/449.7, 340/990, 340/995, 340/991, 340/993, 342/357, 342/457

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5208756</u>	May 1993	Song	364/449.1
<input type="checkbox"/> <u>5543789</u>	August 1996	Behr et al.	340/995
<input type="checkbox"/> <u>5559707</u>	September 1996	DeLorme et al.	364/443

ART-UNIT: 364

PRIMARY-EXAMINER: Nguyen; Tan Q.

ATTY-AGENT-FIRM: Caseiro; Chris A. Bohan; Thomas L.

ABSTRACT:

A Computer Aided Routing and Positioning System (CARPS) determines a route along selected waypoints that include a travel origin and a travel destination and intermediate waypoints therebetween. The selected waypoints may be uploaded to or downloaded from various geocoding devices that utilize the Global Positioning System (GPS). A CARPS database incorporates travel information selected from a range of multimedia sources about the transportation routes, waypoints, and geographically locatable points of interest (POIs) selected by the user along the travel route. The CARPS software permits user selection of specified POI types within a user-defined region of interest and user selection of particular POIs from the selected types within the region of interest. The transportation routes, waypoints, POIs and region of interest are identifiable in the computer by coordinate locations of a selected geographical coordinate system. The CARPS software is constructed to present a user-customized travelog for preview on the computer display of the user-defined travel route. The travel planner can preview on the computer display a multimedia travelog particularly customized for the user-defined travel route including multimedia information on the transportation routes, waypoints, and POIs selected by the user. The user can engage in an iterative trip planning process of revising the route and previewing travelogs of revised travel routes until a satisfactory travel route is determined. Hardcopies of customized travel maps of the user-defined travel route can be used in conjunction with a GPS device which has been uploaded with selected waypoint data.

50 Claims, 35 Drawing figures

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L17: Entry 1 of 1

File: USPT

Sep 1, 1998

DOCUMENT-IDENTIFIER: US 5802492 A

TITLE: Computer aided routing and positioning system

Detailed Description Text (20):

FIG. 1C also reveals the basic user interface, including a higher magnitude or closer scale map, as shown at 135. Compared to FIG. 1B, FIG. 1C offers a main electronic map display with more detail including geometric symbols in small rectangles under "Seattle" for example. These symbols represent the availability of supplemental travel information on specific types of locations e.g. Hotels, Campgrounds, Restaurants and Points of Interest. One such symbol indicating a real-time or recorded location as sensed by a GPS receiver interfacing with CARPS is shown at 136a. As disclosed hereafter, the user can access and manipulate the added multimedia travel information by various mouse or keyed commands.

Detailed Description Text (97):

The user can quickly enlarge or diminish the user-defined region around the route, or alter the manner in which the route is computed, in hopes of generating a POI list of a more useful size as potential input for multimedia. For example, suppose no hotels or eating places turn up as POIs along a particular stretch of highway, step 325 then lets the user go right back to the routing mode or subsystem 205 in order to calculate a more local route along which he or she can hope to find food and lodging. Or, the user can readjust the system selection criteria to prompt the system to search for hotels and restaurants at an increased distance from the exits off the major highway. Readjustment of the radius or area searched for POIs is also detailed hereafter in relation to step 467 in FIG. 4.

Detailed Description Text (128):

Such text annotations can attach a broad variety of data and information to map locations including historic facts, environmental data, personal commentary, demographic, economic or political intelligence, news, even ads, jokes, folklore or fictional accounts relevant to the particular location and potentially of interest to the user. By its nature, however, attached information provides supplemental information about places or objects located on or near some pre-existing route display/output. In the example above, the state park is not made a new waypoint, i.e., it is not treated as a new waypoint input. Rather, the location of the park is pointed out near or along the route display with supplemental information about the park presented in a marginal text annotation. Attach "buttons" are shown for Hotels and Restaurants in the 154 and 156 dialog boxes in FIG. 1L, also for campgrounds in the 158 dialog box in FIG. 1M.

Detailed Description Text (187):

The MAP'N'GO (TM) July 1994 release automatically displays literal nonvocalized text as words printed typically in a window over the map display on screen only in the event that no sound or pictures are available relating to the current POI location. The interplay between steps 813, 814 and 821 demonstrate this logic. However, step 823 enables the user to opt for display of silent alphanumeric text information on screen, supplementing available pictures. This feature addresses the practical reality that, while audio-visual output is preferred for many consumer

travel information embodiments, many users and installed systems lack sound cards and speakers. Moreover, though audio output is preferred as a rule for vehicle drivers alone who must keep their eyes on the road and instrument panel, under some circumstances, in vehicle users opt for having a passenger monitor literal text and pictures in windows on the map display, electing to turn the sound off to facilitate conversation or for enjoyment of silence or listening to music tapes or news on the car radio for example.

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File: USPT

Nov 20, 2001

US-PAT-NO: 6321158

DOCUMENT-IDENTIFIER: US 6321158 B1

TITLE: Integrated routing/mapping information

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
DeLorme; David M.	Yarmouth	ME		
Gray; Keith A.	Yarmouth	ME		
Autry; Gordon	Standish	ME		
Moulton; Keith A.	Portland	ME		

US-CL-CURRENT: 701/201; 340/995.16, 342/357.09, 701/209, 701/211

ABSTRACT:

An Integrated Routing/Mapping Information System (IRMIS) links desktop personal computer cartographic applications to one or more handheld organizer, personal digital assistant (PDA) or "palmtop" devices. Such devices may be optionally equipped with, or connected to, portable Global Positioning System (GPS) or equivalent position sensing device. Desktop application facilitates user selection of areas, starts, stops, destinations, maps and/or point and/or route information. It optionally includes supplemental online information, preferably for transfer to the PDA or equivalent device. Users' options include route information, area, and route maps. Maps and related route information are configured with differential detail and levels of magnitude. Used in the field, in conjunction with GPS receiver, the PDA device is configured to display directions, text and map formats, the user's current position, heading, speed, elevation, and so forth. Audible signals identifying the next turn along the user's planned route are also provided. The user can pan across maps and zoom between two or more map scales, levels of detail, or magnitudes. The IRMIS also provides for "automatic zooming," e.g., to show greater detail or closer detail as the user approaches a destination, or to larger scale and lower resolution to show the user's overall planned route between points of interest. The IRMIS also enables the user to mark or record specific locations and/or log actual travel routes, using GPS position information. These annotated location marks and/or "breadcrumb" or GPS log data can be saved, uploaded, displayed, or otherwise processed on the user's desktop geographic information or cartographic system. The IRMIS application and data may be distributed online and/or in tangible media in limited and advanced manipulation formats.

28 Claims, 62 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 51

10/769759

AOL Main | Mail | AIM | People Connection | Shopping | AOL A to Z

Search the Web

Search



Find It

Look up addresses and phone numbers

Find airports, hotels, restaurants & more.



Maps

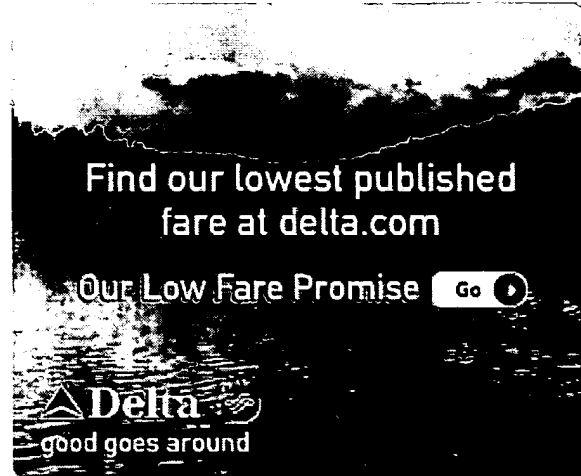
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Address or Intersection

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State

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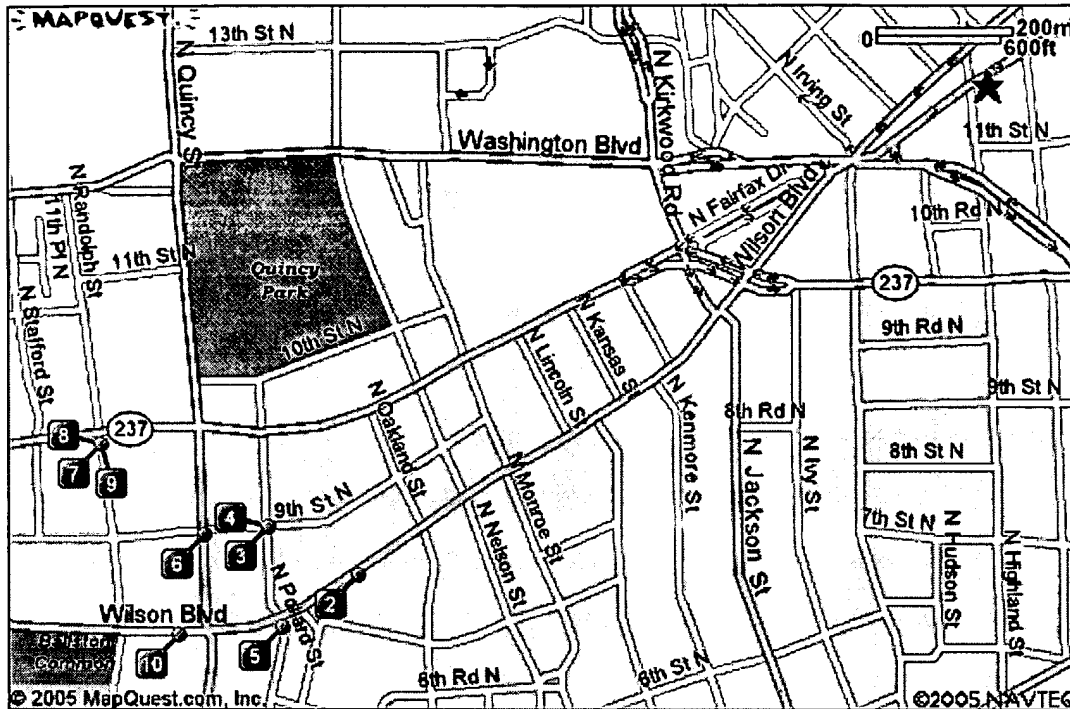
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10/769759



POI

ballston near ★ Arlington, VA 22201



- 1) * **Ballston Bouquets**
Arlington, VA
703-524-0888
- 2) **Ballston Children's Ctr**
3850 Wilson Blvd, Arlington, VA (0.71 miles away)
703-527-7200
- 3) **Ballston Place Apartments**
901 N Pollard St, Arlington, VA (0.75 miles away)
703-528-6411
- 4) **Ballston Place Valet**
901 N Pollard St, Arlington, VA (0.75 miles away)
703-527-5509
- 5) **Golds Gym Ballston**
3910 Wilson Blvd, Arlington, VA (0.80 miles away)
703-516-0006
- 6) **Ballston Tan**
4001 9th St N # 108, Arlington, VA (0.81 miles away)
703-527-0750
- 7) **Avalon At Ballston Quincy Twrs**
1001 N Randolph St, Arlington, VA (0.85 miles away)

703-528-4600

8) Ballston Hines Development

4100 Fairfax Dr, Arlington, VA (0.85 miles away)
703-907-4100

9) Diamond Ballston LLC

1000 N Randolph St, Arlington, VA (0.85 miles away)
703-351-7994

10) Ballston Shell Car Wash

4030 Wilson Blvd, Arlington, VA (0.88 miles away)
703-527-9408

** Not all locations have enough information to get maps or directions.*

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Version

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Main Features

- **UPDATED! US Map Database**
Our extensive map database now includes over 250,000 new and updated roads for a total of over 7 million miles of roads, 100 million addresses, and 3 million points-of-interest. In addition, you'll find 31,000 new and updated exit numbers throughout the US.
- **NEW! Canadian Street-Level Data** – (sold as an add-on for \$49)
Complete, coast-to-coast, street-level coverage of Canada with 830,000 miles of roads, 10 million addresses, and over 5,500 Points-of-Interest.
- **NEW! Live Communication** between vehicle and home or office, with two-way messaging, vehicle location and itinerary updates.*
- **NEW! Safe and Easy Interface**
Includes optimized menu items, customizable display, zoom modes, a new color scheme, and cleaner map displays.
- **NEW! Text-to-Speech and Voice Recognition Engine**
Uses the latest in voice technology to speak detailed turn instructions and respond to your voice commands.
- **NEW! Avoid / Favor Roads**
Lets you customize CoPilot's routing to take you the way you want to go.
- **NEW! Approaching POI Notification**
Notifies you as you approach Points-of-Interest along your route.
- **NEW! 3rd Party GPS Support**
Lets you use CoPilot with any NMEA standard GPS receiver.
- **NEW! Draggable Maps**
Now you can move the map display by clicking and dragging your mouse.
- **NEW! Customizable POI Feature**
Allows you to add POIs to existing POI categories or create new categories of your own

Turn your laptop into a powerful GPS navigation system! Using dynamic route guidance and two-way voice technology, CoPilot gets you precisely where you need to be with directions to any address nationwide.

Dynamic Voice Navigation and Route Guidance
Side-of-Street Address Detail tells you which side of the road your destination is on ("Approaching 1000 Herrontown on Left")
Lane Change Warnings prompts you to get in the left hand lane when the exit is off of the left side on major highways.

NEW! RV-Friendly Routing is a brand new approach to providing safe and convenient routes for RVs that incorporates height and weight restrictions, discourages sharp turns and avoids U-turns.

Optional routing targeted towards RVers and other large-vehicle drivers (truck towing a boat, moving vans, etc.).
RV Quickest and RV Shortest routing options.

NEW! Contact Integration allows you to quickly enter an Outlook contact as your destination.

Address information stored in the Contacts database of MS Outlook can be accessed as one of the address entry options
If an exact address match cannot be found in the available CoPilot map data, a list of possible matches is displayed in a separate pop-up box for the user to choose from

NEW! Save Current Location remembers your position and gets you back there with the click of a button.

Hitting the F2 key enables the user to add his current location to his Favorite or Custom Place list.

Points-of-Interest

POI Import allows the user to import large quantities of addresses from an Excel file and add them to their own Custom POI category that is searchable and displayed on the map along with the standard CoPilot POIs.

NEW! Over 250,000 new Points of Interest, including:

45,000 new restaurants

50,000 new auto parts and service stations

18,000 new hotels/motels

Plus thousands of new banks, medical facilities, pharmacies and gold courses.

Smart POIs

Enables you to search for POIs along your route using your current location as a start point.

Simplified categories – POIs are sorted into 14 distinct categories.

Automatically searches for points of interest closest to your current position.

Special RV points of interest include:

RV – Parks and Services (includes RV campgrounds, parks, and other locations that provide RV services)

RV – Parking (locations that provide ample space to park and maneuver an RV – includes points of interest from all categories – e.g. pharmacies, grocery stores, restaurants, etc.) If a POI is listed in this category, the driver can be confident that he/she will be able to park and maneuver easily.

RV – Diesel Fuel (gas stations providing diesel fuel)

RV – Dump Stations (locations providing facilities for waste and septic dumping)

System Requirements

Windows 98, 2000, ME, XP, NT 4.0 or later

32 MB RAM

Minimum 130 MB of hard disk space

Pentium II processor

Serial or USB port
4X CD-Rom drive; 12X CD-Rom recommended if using CD as data source
Speakers and sound card required for voice technology.
Microphone for voice recognition (optional)

Package Includes:

- 1 install CD including ALK's award-winning software
 - 1 map data CD covering the entire US in street-level detail.
Option to activate Canadian map data (\$49) and European map data (starting at \$99)
 - 12-channel high performance GPS receiver (available with serial or USB ports)
User's Manual.
- There are no monthly fees or subscriptions required.

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AVIC-D1 In-Dash DVD Multimedia AV Navigation Receiver

M.S.R.P. \$1,800.00

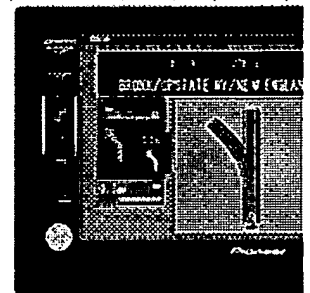
Owners Manual
(5496 KB, 786 sec @56k)

Installation Manual
(1244 KB, 178 sec @56k)

Operation Manual
(501 KB, 72 sec @56k)

Where to Buy

Parts & Accessories



* When you purchase the AVIC-N2 or AVIC-D1 and the GEX-P10XMT with the combined rebates of \$300.00 and \$100.00 respectively

[Close Up Front View](#)

[Product Overview](#)

[Specifications](#)

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The Revolution Goes On — the Latest Navigation Systems from Pioneer

Pioneer's AVIC-D1 is Pioneer's newest navigation system, designed to be easy to use as eyes. The large 6.5-inch display panel is easy to read, the touch panel provides intuitive operation by positioning the basic control keys around the screen. The unit is designed to fit into many modern vehicles with a "factory-fit" style, mel into the vehicle dashboard. Of course, the AVIC-D1 provides a full media experience with MP3 and WMA, and more. Additionally, the system is ready to deliver detailed traffic information in conjunction with the XM NavTraffic service and an optional XM Radio tuner.

It Knows

Pioneer's new Navigation Systems with XM NavTraffic will forever change the in-car experience. Traffic information, nearly 11 million points of interest, route guidance and simple touch screen operation make the new Pioneer Navigation Systems as easy to use as they are useful. Want to find out more? Check out www.Pioneer-ItKnows.com to experience Navigation in action and see how it can make a difference for you too. You can also get the schedule and extras like a Windows Media Player skin.

**PIONEER NAV
IT KNOWS**

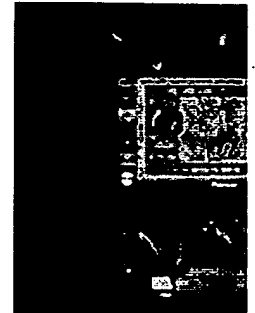


Two DVD-ROMs with Massive "Tele Atlas" Map Database
Pioneer Navigation Systems come with two DVD-ROMs containing a

Atlas" database, which enables the units to provide the largest network of routable roads. Within seconds, the system's extremely fast processor calculates and provides directions to any destination via electronic map and voice prompts. The discs provide millions of points of interest (POI) throughout the United States and Canada, including Alaska. The system sorts 258 categories to make finding the nearest gas station, ATM or restaurant easy. Guided along your route, points of interest are overlaid onto the map as colorful, easy-to-recognize icons.

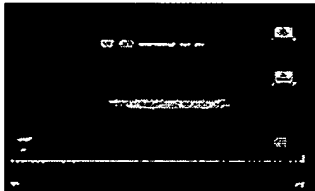
"Factory-Fit" Style

The AVIC-D1 is designed for a perfect fit in many vehicles that feature a "double-DIN" size. The system seems to meld into the dashboard, providing a fit and finish similar to the factory systems. The front panel is motorized to provide access to the hidden disc slots, and the default position can be set to any of 6 choices for the optimum viewing angle. Buttons for important features are positioned for easy operation.



Touch Panel Operation

Using Pioneer's navigation system is a snap. Just touch large, bright icons on the screen to navigate menus, plot routes, or change map views. An easy-to-read status indicator provides current location information, turn distances and approximate time to destination. The touch panel has extremely fast response rates and a wide viewing angle.



Double Disc Slot

Taking advantage of the large, double-DIN size, the AVIC-D1 has separate disc slots behind its face panel — one for navigation DVD-ROM and one for CD (audio CD or MP3/WMA). Music from other audio sources can be enjoyed while the navigator is in operation. In other words, there is no need to eject the map DVD-ROM.

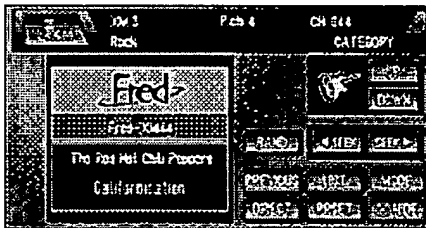
Audio Entertainment System

The AVIC-D1 is a full-featured audio entertainment system. Listen to AM/FM radio from the performance Supertuner III tuner. A separate CD drive in the unit provides playback of MP3 and WMA CDs, all with maximum power (MOSFET50) and sound performance (Easy E compatible with Pioneer's iPod® adapter (CD-IB100) for those who want to listen to music from their iPod while in the car.

XM NavTraffic™ Ready

XM NavTraffic™* powered by NAVTEQ Traffic allows Pioneer Navigation Systems to serve as a powerful tool that helps the driver understand traffic conditions and routes the driver to their destination avoiding traffic congestion. Available GEX-P10XMT XM NavTraffic Satellite Radio Tuner, the traffic information is provided by continuous satellite broadcast as XM NavTraffic™, with data which is aggregated by NAVTEQ multiple sources — including leading commercial traffic data providers, government departments of transportation, police and emergency services, road sensors, cameras and airborne reports of traffic jam on the route to your destination, the Navigation System will automatically alert the driver ahead, and suggest any alternate route found by the unit.

* Requires XM radio subscription and XM NavTraffic™ service subscriptions sold separately



Enhanced Graphical XM Audio Interface

When combined with the GEX-P10XMT, the AVIC-D1 has a new user-friendly interface with specific icons for each of more than 120 XM Radio channels. This ensures easy channel selection, especially when searching with the "List Search" function. Channel categories also come with specific icons for selection among corresponding channels. Up to 10 XM Radio channels can be registered using the "MEM" function. When a registered song is playing on another channel, a pop-up message will appear.

pop up and ask if you would like to change to the channel currently playing the song.

Rear View Camera Capability

Keep an eye on your backside using the optional Rear View Camera (ND-BC1). Two rear-view modes are offered: while you're in reverse the rear-view camera can be in full screen. Or while moving forward, you can also see what's behind you with the rear-view split screen, which displays both the navigation map and the rear-view camera image.



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N Lat: 34 3 0 5"	
Emergency TOW service phone: 1-800-123-4567	
For non-low priced product, call 911	Setup
Locate Car Service	Back

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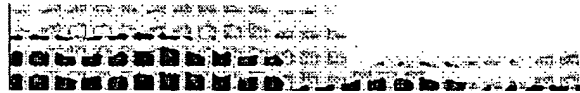
your current location — by street name, city, and state, plus longitude and latitude. The u
any personal information you've entered, including vehicle identification number, insuranc
insurance company phone number. There is even a dedicated icon for easily locating the n
Additionally, 1-Year Emergency Roadside Assistance Service is offered free of charge*.

**Service provided by Signature's Nationwide Autoclub, Inc. See registration for full details
The service is currently scheduled to become available starting in June 2005. Separate re
Signature's Nationwide Autoclub, Inc. is required to receive the free service.*

Industry Awards and Honors

The AVIC-D1 features the same navigation engine, XM NavTraffic capability and similar fe
N2, which has received numerous industry awards, including CES Innovations, Popular Me
Choice, G4techTV's "Best of CES 2005", and CNET's "Next Big Thing". Check them out [he](#)

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POI Loader

POI Loader

[About POI Loader](#)
[POI Sources](#)
[FAQs](#)
[iQue M3](#)
[Quest 2](#)
[nüvi](#)
[StreetPilot 2720](#)
[StreetPilot C310](#)
[StreetPilot C320](#)
[StreetPilot C330](#)
[StreetPilot C340](#)
[StreetPilot i2](#)
[StreetPilot i3](#)
[StreetPilot i5](#)

Features:

[What are Points of Interest?](#)
[How does POI Loader work?](#)

Import customized points of interest created by others with the help of Garmin's new POI Loader software. In today's fast-paced world, points of interest are ever-changing. With the help of POI Loader, you can now add your favorite new restaurant, or that supermarket having the grand opening, as points of interest (POIs) to your compatible Garmin GPS. The possibilities are endless — upload safety cameras or school zones, and you will receive a warning if you are traveling too fast. In addition, an optional proximity-alert feature notifies you of upcoming custom POIs. Our free, new POI Loader software lets you personalize your GPS, giving you the freedom and flexibility to literally go anywhere.

As an added benefit to our customers, you can [download the latest version of POI Loader software](#) for free from our website.

What are Points of Interest?

POIs include restaurants, hotels, post offices, emergency services, entertainment, plus much more, and are represented by small icons on the maps displayed on your unit. Many of our mapping products, such as MapSource City Select or City Navigator, include a database of nearly 6 million points of interest. With POI Loader, you can now add additional points of interest to your compatible Garmin. This means you can upload custom POIs to supplement the nearly 6 million points of interest that are already in your unit. Traveling on holiday? Upload the POI for that bed & breakfast that just opened or the new restaurant that your guide book recommends.

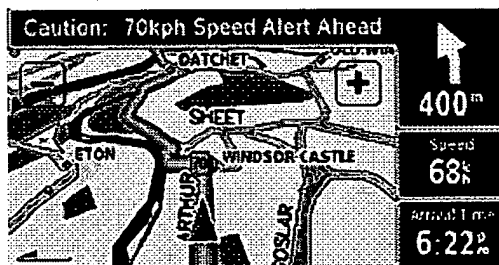
Custom POIs can also include .bmp images, as well as speed and proximity alert information. These POIs can be created by you, your friends, or third parties. There are several free and subscription services on the Internet that also provide POIs. See our [Custom POI Sources web page](#) for links to these third party websites.

How Does POI Loader Work?

To search and navigate to personalized POIs, you must first upload points of interest from comma-separated text files (.csv) to your compatible Garmin GPS or onto an SD card.

With POI Loader, you can configure your unit to alert you when you are within a certain distance of a point or if you are driving over a certain speed near a point — perfect to warn you about upcoming school zones, red lights, and speed cameras. For more information on POI Loader, see the help file that is included with the [free software download](#).

These screens illustrate the proximity alert feature in action:



[Click image to enlarge](#)





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Custom POI Sources

With the help of Garmin's free POI Loader software, you can upload additional points of interest to your compatible Garmin. Below are links to several free and subscription services on the Internet that provide these custom POIs.

Our POI Loader supports CSV (comma separated value) files. This means you must upload POIs saved in this file format. Many of the custom POI sources listed below provide points of interest saved as CSV files or offer POIs that can be converted to the POI Loader format. Please contact the companies below for further information on how to use their POIs with your Garmin unit.

Custom POI Sources (listed alphabetically by company name)

Any links to third party websites are provided solely for your convenience. The inclusion of any link does not imply endorsement by Garmin of the linked site. Links made to other sites are made at your own risk and Garmin accepts no liability for any linked sites. Garmin has no control over the content of the third party websites listed on this page. Garmin has not tested any content found on any sites linked on this page and does not give any representation regarding the quality, safety, suitability or reliability of such third party web sites or any of the materials or data contained in them. Users must take their own precautions to ensure what is selected for use is free of such items as viruses, worms, Trojan horses and other items of a destructive nature. Garmin's Privacy Policy does not apply to these third party sites. Garmin has no control over and is not responsible for the measures, if any, that are taken by such third party sites to protect the privacy of user information. Users should check the privacy policy of any third party site before providing personally identifiable information.



Company Name: **Alert GPS**
Geographic Coverage: France
Language: French
Website: http://www.alertegps.com/Download_fabricant.asp?a=ar&s=&f=garmin
Contact: info01@radarsfixes.com
Content Type: Safety Cameras
Pay Site: Free

Company Name: **Fart Kamera, Swedish Speedcams**
Geographic Coverage: Sweden
Language: Swedish
Website: <http://hem.bredband.net/fartkamera>
Contact: fart.kamera@bredband.net
Content Type: Safety Cameras
Pay Site: Free



Company Name: **Flitspaal.nl**
Geographic Coverage: Netherlands, Belgium
Language: Dutch
Website: <http://www.flitspaal.nl/>
Contact: http://www.flitspaal.nl/redirect.html?p_redirect_url=fl_email.startup?p_soort=
Content Type: Safety Cameras
Pay Site: Free



Company Name: **GPS Passion**
Geographic Coverage: France, USA
Language: English, French
Website: www.GpsPasSion.com
Contact: info@gpspassion.com
Content Type: Various categories, see

www.POlEnFrance.com including Safety Cameras; also
browse to <http://www.POlInUSA.com> for USA
Pay Site: Free, Donation welcome

Company Name: **LPGmap.co.uk**
Geographic Coverage: UK
Language: English
Website: <http://www.lpgmap.co.uk/autoroute.htm>
Contact: nik1@lpgmap.co.uk
Content Type: LPG Filling Stations
Pay Site: Free



Company Name: **PocketGPS - POIs**
Geographic Coverage: UK
Language: English
Website: <http://www.pocketgpsworld.com/garmin-poi-loader.php>
Contact: pois@pocketgpsworld.com
Content Type: Various POI categories
Pay Site: Free, Donation welcome

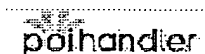


Company Name: **PocketGPS - Safety Cameras**
Geographic Coverage: UK
Language: English
Website: <http://www.pocketgpsworld.com/garmin-poi-loader-speed-cameras.php>
Contact: pois@pocketgpsworld.com
Content Type: Safety Cameras
Pay Site: Free, Donation welcome

Company Name: **PocketNavigation.de**
Geographic Coverage: Germany
Language: German
Website: <http://www.pocketnavigation.de/ucontent/25/5.6.59.html>
Contact: info@pocketnavigation.de
Content Type: Various categories including Safety Cameras
Pay Site: Paid



Company Name: **POI Download**
Geographic Coverage: UK
Language: English
Website: <http://www.poidownload.co.uk/poi/index.php>
Contact: info@poidownload.co.uk
Content Type: Various categories
Pay Site: Free



Company Name: **POI handler**
Geographic Coverage: Europe
Language: English
Website: <http://www.poihandler.com/>
Contact: <http://www.poihandler.com/contact.asp>
Content Type: Several POI collections, including Safety Cameras for various countries.
Pay Site: Free and Paid

Company Name: **Radarfalle**



Geographic Coverage: Germany and Europe
Language: German
Website: <http://www.radarfalle.de/software/garmin.php>
Contact: support@radarfalle.de
Content Type: More than 10000 fixed speedcams for most of Europe
Pay Site: Paid

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L1: Entry 1 of 1

File: USPT

Sep 1, 1998

US-PAT-NO: 5802492

DOCUMENT-IDENTIFIER: US 5802492 A

TITLE: Computer aided routing and positioning system

DATE-ISSUED: September 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
DeLorme; David M.	Yarmouth	ME		
Gray; Keith A.	Dresden	ME		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
DeLorme Publishing Company, Inc.	Yarmouth	ME			02

APPL-NO: 08/661600 [PALM]

DATE FILED: June 11, 1996

PARENT-CASE:

CROSS REFERENCE TO RELATED PATENT APPLICATION This patent application is a continuation-in-part (CIP) of the David M. DeLorme et al U.S. patent application Ser. No. 08/381,214 filed Jan. 31, 1995, now U.S. Pat. No. 5,559,707 for COMPUTER AIDED ROUTING SYSTEM which is a CIP of the David M. DeLorme et al U.S. patent application Ser. No. 08/265,327 filed Jun. 24, 1994, now abandoned for COMPUTER AIDED MAP LOCATION SYSTEM and the contents of these related patent applications are incorporated herein by reference.

INT-CL: [06] G01 C 21/00, G08 G 1/123

US-CL-ISSUED: 701/200; 701/201, 701/208, 701/211, 701/213, 340/990, 340/995

US-CL-CURRENT: 455/456.5; 340/990, 340/995.23, 340/995.24, 701/201, 701/208, 701/211, 701/213

FIELD-OF-SEARCH: 364/443, 364/444.1, 364/444.2, 364/449.2, 364/449.3, 364/449.4, 364/449.5, 364/449.6, 364/449.7, 340/990, 340/995, 340/991, 340/993, 342/357, 342/457

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5208756</u>	May 1993	Song	364/449.1
<input type="checkbox"/>	<u>5543789</u>	August 1996	Behr et al.	340/995
<input type="checkbox"/>	<u>5559707</u>	September 1996	DeLorme et al.	364/443

ART-UNIT: 364

PRIMARY-EXAMINER: Nguyen; Tan Q.

ATTY-AGENT-FIRM: Caseiro; Chris A. Bohan; Thomas L.

ABSTRACT:

A Computer Aided Routing and Positioning System (CARPS) determines a route along selected waypoints that include a travel origin and a travel destination and intermediate waypoints therebetween. The selected waypoints may be uploaded to or downloaded from various geocoding devices that utilize the Global Positioning System (GPS). A CARPS database incorporates travel information selected from a range of multimedia sources about the transportation routes, waypoints, and geographically locatable points of interest (POIs) selected by the user along the travel route. The CARPS software permits user selection of specified POI types within a user-defined region of interest and user selection of particular POIs from the selected types within the region of interest. The transportation routes, waypoints, POIs and region of interest are identifiable in the computer by coordinate locations of a selected geographical coordinate system. The CARPS software is constructed to present a user-customized travelog for preview on the computer display of the user-defined travel route. The travel planner can preview on the computer display a multimedia travelog particularly customized for the user-defined travel route including multimedia information on the transportation routes, waypoints, and POIs selected by the user. The user can engage in an iterative trip planning process of revising the route and previewing travelogs of revised travel routes until a satisfactory travel route is determined. Hardcopies of customized travel maps of the user-defined travel route can be used in conjunction with a GPS device which has been uploaded with selected waypoint data.

50 Claims, 35 Drawing figures

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Hit List

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Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 20040203903 A1

Using default format because multiple data bases are involved.

L10: Entry 1 of 10

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040203903

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040203903 A1

TITLE: System for providing location-based services in a wireless network, such as modifying locating privileges among individuals and managing lists of individuals associated with such privileges

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wilson, Brian	Bellevue	WA	US
Bhuyan, Krishna	Redmond	WA	US
Feinstein, Jacob	Seattle	WA	US

US-CL-CURRENT: [455/456.1](#); [455/411](#), [455/414.1](#), [455/466](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 20040203902 A1

L10: Entry 2 of 10

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040203902

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040203902 A1

TITLE: Data structures and methods for location-based services within a wireless network

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wilson, Brian	Bellevue	WA	US
Bhuyan, Krishna	Redmond	WA	US
Feinstein, Jacob	Seattle	WA	US

US-CL-CURRENT: 455/456.1; 455/457

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 3. Document ID: US 20040203901 A1

L10: Entry 3 of 10

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040203901
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040203901 A1

TITLE: System for providing location-based services in a wireless network, such as locating individuals and coordinating meetings

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wilson, Brian	Bellevue	WA	US
Bhuyan, Krishna	Redmond	WA	US
Feinstein, Jacob	Seattle	WA	US

US-CL-CURRENT: 455/456.1; 455/414.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 4. Document ID: US 20040192339 A1

L10: Entry 4 of 10

File: PGPB

Sep 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040192339
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040192339 A1

TITLE: Method for providing location-based services in a wireless network, such as varying levels of services

PUBLICATION-DATE: September 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wilson, Brian	Bellevue	WA	US
Bhuyan, Krishna	Redmond	WA	US
Feinstein, Jacob	Seattle	WA	US

US-CL-CURRENT: [455/456.1](#); [455/466](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 20040192299 A1

L10: Entry 5 of 10

File: PGPB

Sep 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040192299

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040192299 A1

TITLE: Apparatus and systems for providing location-based services within a wireless network

PUBLICATION-DATE: September 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wilson, Brian	Bellevue	WA	US
Bhuyan, Krishna	Redmond	WA	US
Feinstein, Jacob	Seattle	WA	US

US-CL-CURRENT: [455/433](#); [455/456.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 6. Document ID: US 20030078035 A1

L10: Entry 6 of 10

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030078035

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030078035 A1

TITLE: Position identification method and system

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sheha, Michael A.	Laguna Niguel	CA	US
Sheha, Angie	Laguna Niguel	CA	US
Petilli, Stephen	Laguna Niguel	CA	US

US-CL-CURRENT: [455/414.1](#); [455/412.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 7. Document ID: US 20020138196 A1

L10: Entry 7 of 10

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020138196

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020138196 A1

TITLE: Methods and apparatus for dynamic point of interest display

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Polidi, Ari I.	Mountain View	CA	US
Govind, Gunda	Santa Clara	CA	US

US-CL-CURRENT: 701/208; 340/995.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 8. Document ID: US 6542814 B2

L10: Entry 8 of 10

File: USPT

Apr 1, 2003

US-PAT-NO: 6542814

DOCUMENT-IDENTIFIER: US 6542814 B2

TITLE: Methods and apparatus for dynamic point of interest display

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 9. Document ID: US 6321158 B1

L10: Entry 9 of 10

File: USPT

Nov 20, 2001

US-PAT-NO: 6321158

DOCUMENT-IDENTIFIER: US 6321158 B1

TITLE: Integrated routing/mapping information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 10. Document ID: US 2709308 A

L10: Entry 10 of 10

File: USOC

May 31, 1955

US-PAT-NO: 2709308

DOCUMENT-IDENTIFIER: US 2709308 A

TITLE: Radio navigation trainer

DATE-ISSUED: May 31, 1955

INVENTOR-NAME: FRANKEL BURTON L; LEO LOITERMAN ; JAMES HICKEN

US-CL-CURRENT: 434/30, 434/243

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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 PALM Intranet

Application Number

IDS Flag Clearance for Application

**IDS
Information**

Content	Mailroom Date	Entry Number	IDS Review	Reviewer
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